

G·LITESTM

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G-LITES TITANIUM 15R USER MANUAL

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

**CAUTION!**

Keep this device away from rain and moisture!

**CAUTION!**

Unplug

mains lead before opening the housing.

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

1. INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One XLR power cable
2. One 3pin DMX cable
3. Two omega clamps
4. One user manual

(Flight case, Safety cable and Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any, please consult your dealer and don't install this device.

2. TECHNICAL PARAMETERS**POWER SUPPLIES**

Input power: AC110-240V 50/60 Hz

LAMP SOURCE

Lamp source: Osram Sirius HRI 330W, 2000 hours, 8000K

Brightness: 1200 watts

Power consumption: 350W

OPTICS

Lens: anti-reflective coated lens

YiLong optic system

Output lux: 10,500 lux at 20 meters

COLOR SYSTEM

Colors: basic color wheel with 6 dichroic mirrors, plus white, two direction rainbow effect

CMY variable color mixing for infinite color possibilities

GOBO SYSTEM

8 rotating gobos plus open, all gobos can be easily replaceable and gobo indexing
Static gobo wheel with 14 indexing gobos plus open, gobo shaking in different speed

EFFECTS SECTION

Prism and prism rotating, with 16 prism macros
Linear dimmer in precise speed from 0% ~ 100%
Stepless frost, 0%-100% linear change frost
Motorized focus
Iris from 5%~100% with pulse iris effect
Zoom: 9°~27° linear zoom
Strobe/shutter: high speed shutter, 0-13 Hz or random strobe

CONTROL AND PROGRAMMING

DMX channels: 3 DMX modes (21/23/34 channels DMX)
Control: 3-pin & 5-pin DMX
Control board with LCD graphic display

BODY

Remote controller lamp's switch function, display light and lamp's using time
Structure: heat-proof plastic+module pressing alloy materials

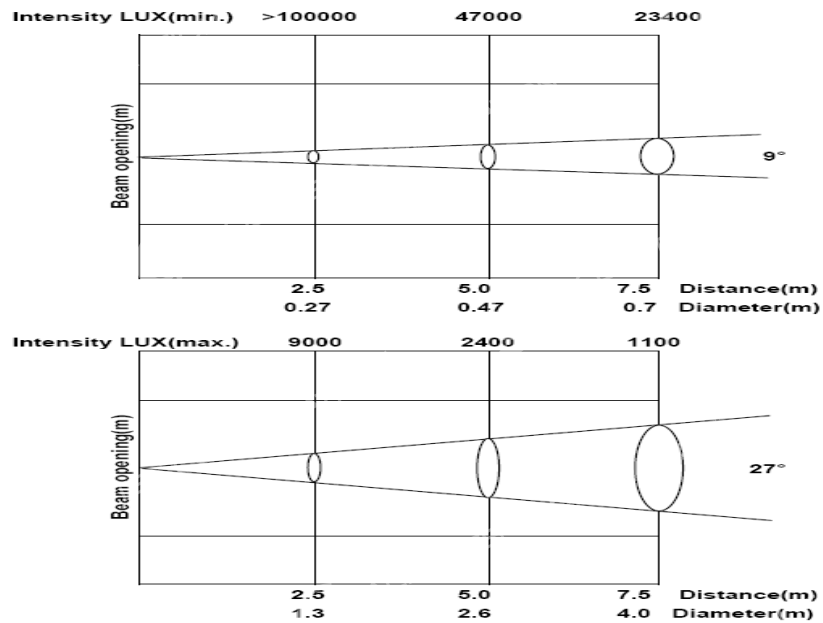
MOVING BODY

Pan and tilt movement: 8 and 16 bit resolution for smooth and precise motion
Pan movement: 540°
Tilt movement: 270°
Speed of pan/tilt movement adjustable
Scan position memory, auto reposition after unexpected movement

WEIGHT & SIZE

Weight: 23 Kg. (50.7 lb.)
Dimensions: 409 x 419 x 541 mm / 16.1 x 16.5 x 21.3 inches

3. PHOTOMETRIC DATA



4. GOBOS

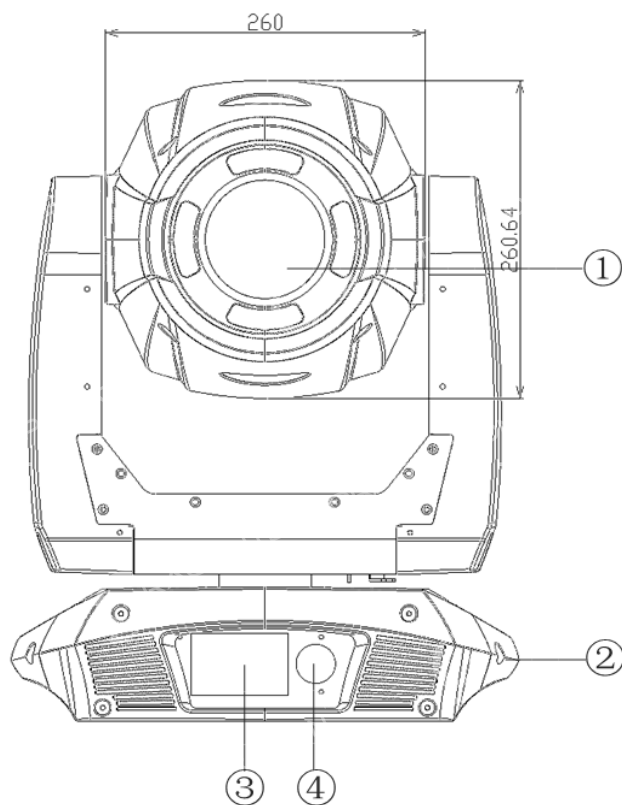
Rotating Gobos



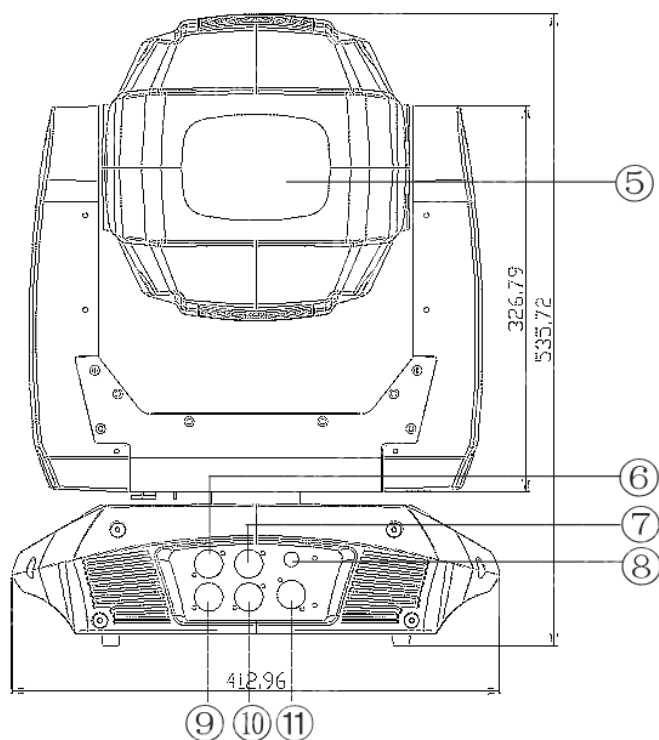
Static Gobos



5 FIXTURE OVERVIEW



- 1) Lens.
- 2) Handle.
- 3) LCD Display.
- 4) Rotating button.



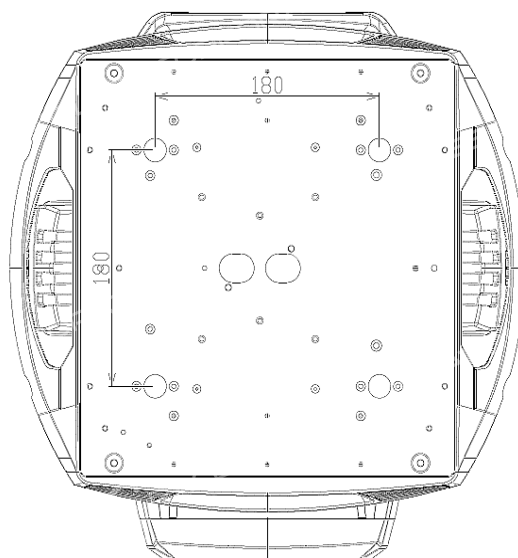
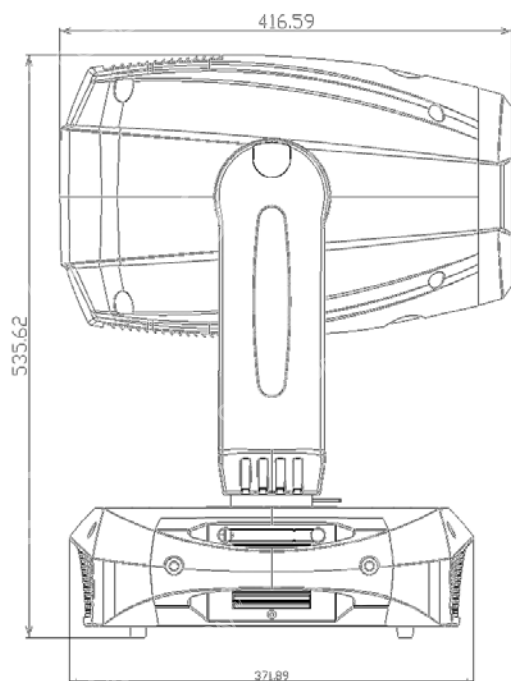
- 5) Lamp Access Panel.
- 6) 3-Pin DMX in.
- 7) 5-Pin DMX in.
- 8) Fuse.
- 9) 3-Pin DMX out.
- 10) 5-Pin DMX out.
- 11) Power Cord.

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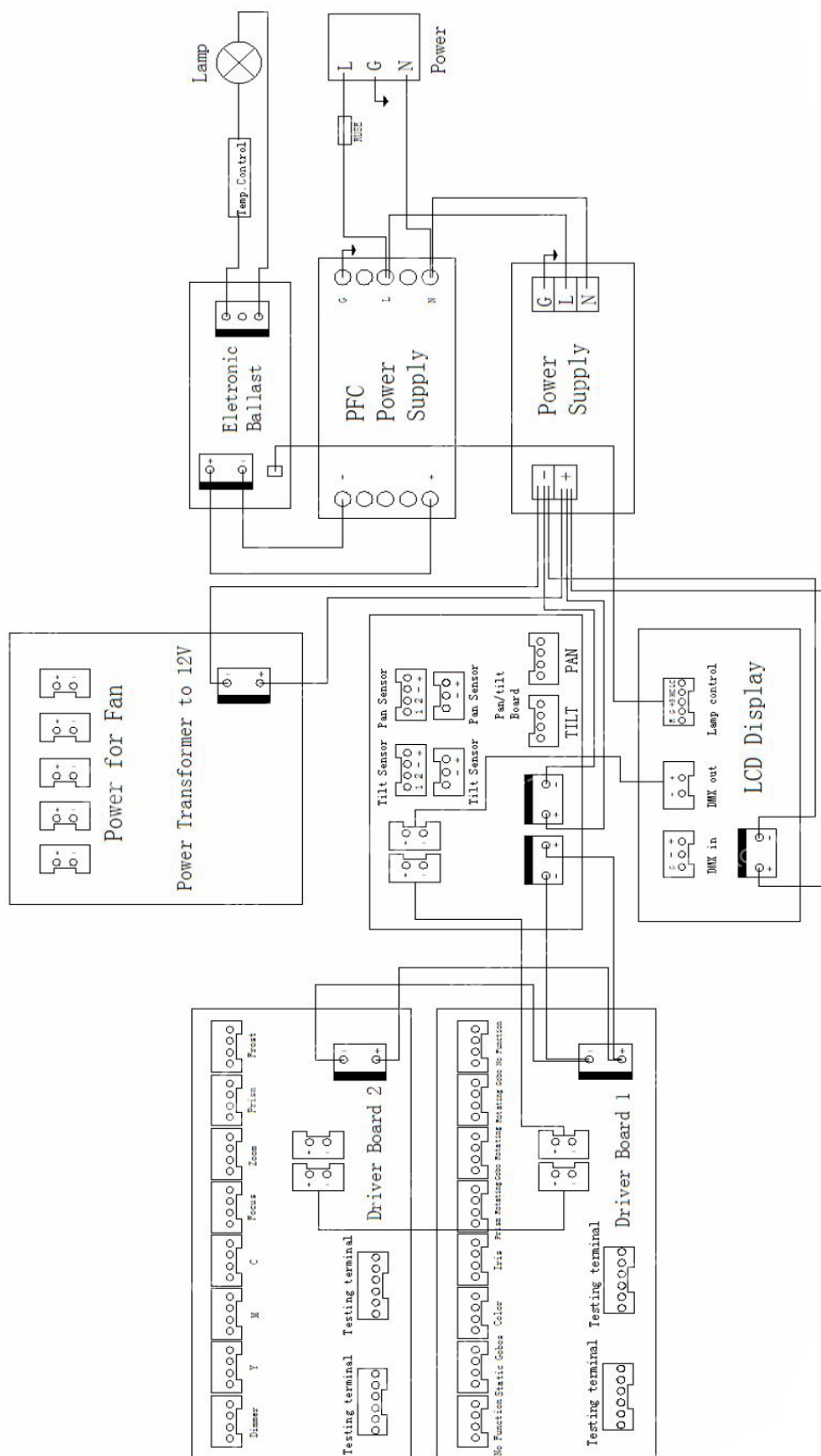
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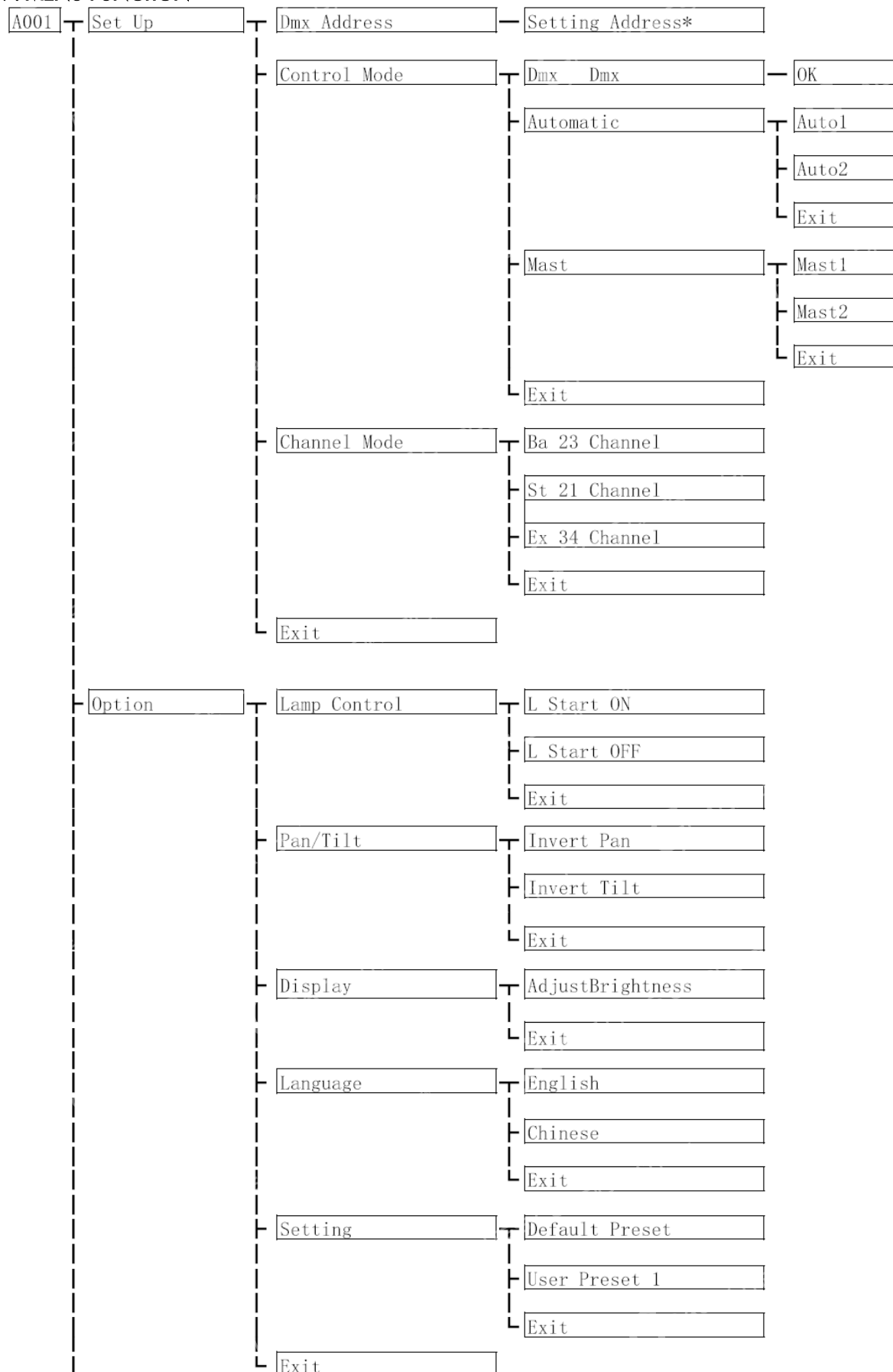
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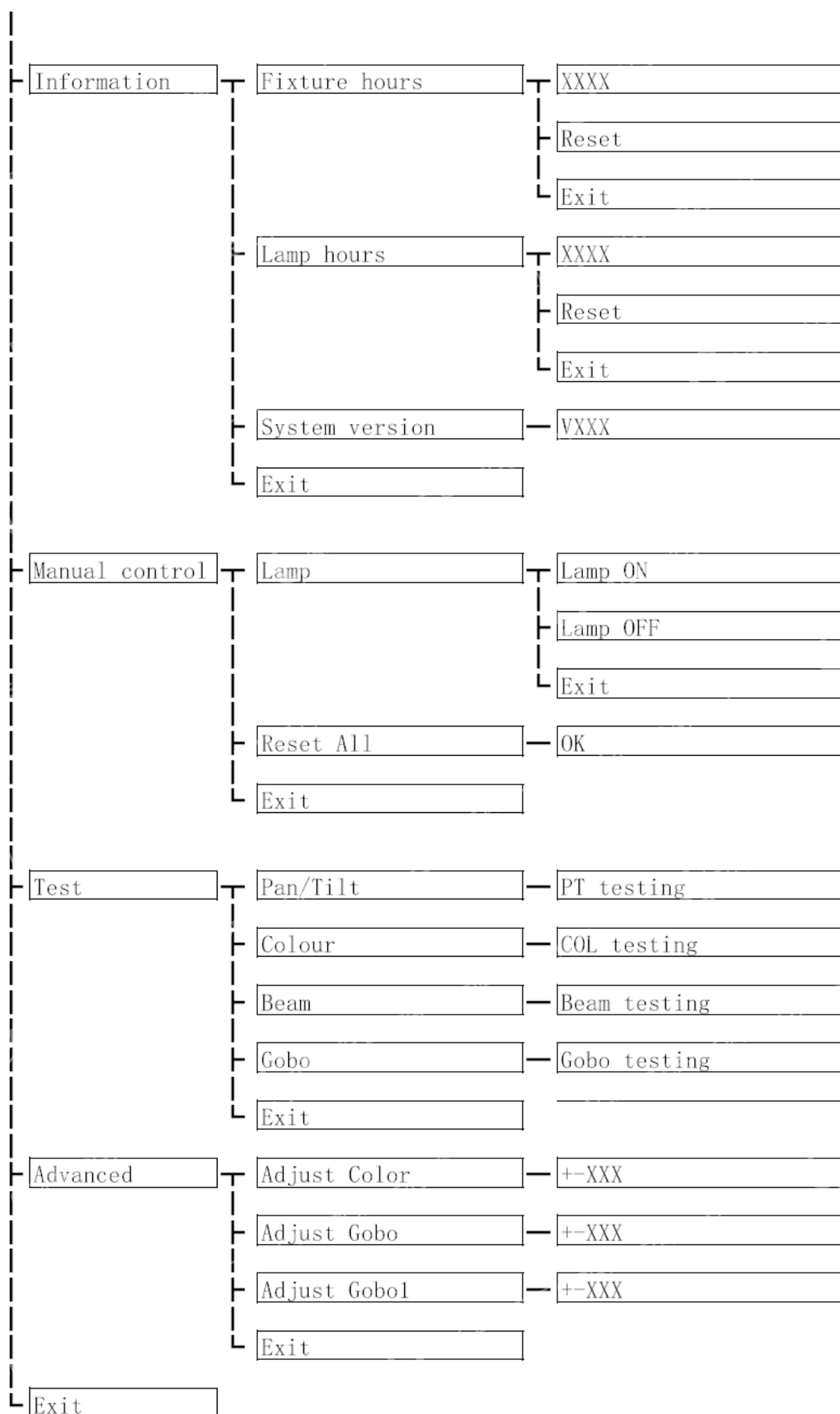


6. CIRCUIT SCHEMATICS



7. MENU FUNCTION





8. DMX CHANNELS

ST 23CH		BA 21CH		EX 34CH	
1	Pan	1	Pan	1	Pan
2	Pan Fine			2	Pan Fine
3	Tilt	2	Tilt	3	Tilt
4	Tilt Fine			4	Tilt Fine
5	Color Wheel	3	Color Wheel	5	Color Wheel
6	Cyan	4	Cyan	6	Color Wheel Fine
7	Magenta	5	Magenta	7	Cyan
8	Yellow	6	Yellow	8	Cyan Fine
9	Rotating Gobo	7	Rotating Gobo	9	Magenta
10	Rotating Gobo Rotation	8	Rotating Gobo Rotation	10	Magenta Fine
11	Fixed Gobo	9	Fixed Gobo	11	Yellow
12	3 Facet Prism and Macro	10	3 Facet Prism and Macro	12	Yellow Fine
13	Rotating Prism	11	Rotating Prism	13	Rotating Gobo
14	Focus	12	Focus	14	Rotating gobo index
15	Zoom	13	Zoom	15	Rotating Gobo Fine
16	Shutter	14	Shutter	16	Fixed Gobo
17	Dimmer	15	Dimmer	17	Fixed Gobo Fine
18	Iris	16	Iris	18	3 Facet Prism and Macro
19	Frost	17	Frost	19	Rotating Prism
20	Speed of CMY	18	Speed of CMY	20	Rotating Prism Indexing Fine
21	Speed of Pan/Tilt	19	Speed of Pan/Tilt	21	Focus
22	Color Macro-CMY Color Wheel	20	Color Macro-CMY Color Wheel	22	Focus Fine
23	Lam on&off Reset	21	Lam on&off Reset	23	Zoom
				24	Zoom Fine
				25	Shutter
				26	Dimmer
				27	Dimmer Fine
				28	Iris
				29	Iris Fine
				30	Frost
				31	Speed of CMY
				32	Speed of Pan/Tilt
				33	Color Macro-CMY Color Wheel
				34	Lam on&off Reset

DMX Channel's functions and values(34DMX Channels):

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		<i>Pan Movement 8bit:</i>

			0-255	Pan Movement by 540°
2		2		<i>Pan Fine 16bit</i>
			0-255	Fine Control of Pan movement
3	2	3		<i>Tilt Movement 8bit:</i>
			0-255	Tilt Movement by 270
4		4		<i>Tilt Fine 16bit</i>
			0-255	Fine control of Tilt movement
5	3	5		<i>Color Wheel</i>
			0-11	Open/White
			12-23	Color 1
			24-35	Color 2
			36-47	Color 3
			48-59	Color 4
			60-71	Color 5
			72-83	Color 6
			128-189	Forwards rainbow effect from fast to slow
			190-193	No rotation
			194-255	Backwards rainbow effect from slow to fast
		6		<i>Color Wheel Fine</i>
			0-255	Color Wheel color change to any position Fine
6	4	7		<i>Cyan Color</i>
			0-255	Cyan (0-white, 255-100% Cyan)
		8		<i>Cyan Color Fine</i>
			0-255	Cyan Fine
7	5	9		<i>Magenta Color</i>
			0-255	Magenta (0-white, 255-100% magenta)
		10		<i>Magenta Color Fine</i>
			0-255	Magenta Fine
8	6	11		<i>Yellow Color</i>
			0-255	Yellow (0-white, 255-100% Yellow)
		12		<i>Yellow Color Fine</i>
			0-255	Yellow Fine
9	7	13		<i>Rotating gobos, cont. rotation</i>
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3
			40-49	Rot. gobo 4
			50-59	Rot. gobo 5
			60-69	Rot. gobo 6
			70-79	Rot. gobo 7
			80-89	Rot. gobo 8
			90-104	Rot. gobo 1 shake

			105-119	Rot. gobo 2 shake
			120-134	Rot. gobo 3 shake
			135-149	Rot. gobo 4 shake
			150-164	Rot. gobo 5 shake
			165-179	Rot. gobo 6 shake
			180-194	Rot. gobo 7 shake
			195-209	Rot. gobo 8 shake
			210-255	Rot. gobo wheel cont. rotation slow to fast
10	8	14		<i>Rotating gobo index, rotating gobo rotation</i>
			0-127	Gobo indexing
			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
			194-255	Backwards gobo rotation from slow to fast
		15		<i>Rotating gobo indexing Fine</i>
			0-255	Fine indexing
11	9	16		<i>Fixed Gobos</i>
			0-7	Open/hole
			8-15	Gobo 1
			16-23	Gobo 2
			24-31	Gobo 3
			32-39	Gobo 4
			40-47	Gobo 5
			48-55	Gobo 6
			56-63	Gobo 7
			64-71	Gobo 8
			72-79	Gobo 9
			80-87	Gobo 10
			88-95	Gobo 11
			96-103	Gobo 12
			104-111	Gobo 13
			112-119	Gobo 14
			112-119	Gobo 1 shake slow to fast
			112-119	Gobo 2 shake slow to fast
			112-119	Gobo 3 shake slow to fast
			112-119	Gobo 4 shake slow to fast
			148-154	Gobo 5 shake slow to fast
			155-161	Gobo 6 shake slow to fast
			162-168	Gobo 7 shake slow to fast
			169-175	Gobo 8 shake slow to fast
			176-182	Gobo 9 shake slow to fast
			183-189	Gobo 10 shake slow to fast
			190-196	Gobo 11 shake slow to fast
			197-203	Gobo 12 shake slow to fast

			204-210	Gobo 13 shake slow to fast
			211-217	Gobo 14 shake slow to fast
			218-255	Gobo wheel rotation from slow to fast
		17		<i>Fixed gobo indexing Fine</i>
			0-255	Fixed gobo Fine indexing
				<i>3 facet rotating prism, Prism / Gobo macros</i>
			0-31	Open
			32-127	Rot. Prism
			128-135	Macro 1
			136-143	Macro 2
			144-151	Macro 3
			152-159	Macro 4
			160-167	Macro 5
			168-175	Macro 6
			176-183	Macro 7
			184-191	Macro 8
			192-199	Macro 9
			200-207	Macro 10
			208-215	Macro 11
			216-223	Macro 12
			224-231	Macro 13
			232-239	Macro 14
			240-247	Macro 15
			248-255	Macro 16
				<i>Rotating prism</i>
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		20		<i>Rotating Prism indexing Fine</i>
			0-255	Fine indexing
				<i>Focus</i>
			0-255	Continuous adjustment from near to far
				<i>Focus Fine</i>
			0-255	Continuous adjustment Fine
				<i>Zoom</i>
			0-255	Zoom adjustment from small to big
				<i>Zoom Fine</i>
			0-255	Zoom adjustment Fine
				<i>Shutter, strobe</i>
			0-31	Shutter closed
			32-63	No function (shutter open)
			64-95	Strobe effect slow to fast

			96-127	No function (shutter open)
			128-159	Pulse-effect in sequences
			160-191	No function (shutter open)
			192-223	Random strobe effect slow to fast
			224-255	No function (shutter open)
17	15	26		<i>Dimmer intensity</i>
			0-255	Intensity 0 to 100%
		27		<i>Fine Dimmer intensity</i>
			0-255	Dimmer intensity fine
18	16	28		<i>Iris</i>
			0-191	Max. diameter to Min. diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		29		<i>Iris Fine</i>
			0-255	Iris Fine
19	17	30		<i>Frost</i>
			0-191	Frost 0~100%
			192-223	Pulse opening fast to slow
			224-254	Pulse closing slow to fast
			255	Max. Frost
20	18	31		<i>Speed Of CMY & Colour macro Speed</i>
			0-255	Speed Max → Min
21	19	32		<i>Speed Pan/Tilt movement</i>
			0-225	Max to min speed
			226-255	No function
22	20	33		<i>Color macros - CMY and colour wheel</i>
			0-7	OFF
			8-15	Macro1
			16-23	Macro2
			24-31	Macro3
			32-39	Macro4
			40-47	Macro5
			48-55	Macro6
			56-63	Macro7
			64-71	Macro8
			72-79	Macro9
			80-87	Macro10
			88-95	Macro11
			96-103	Macro12
			104-111	Macro13
			112-119	Macro14
			120-127	Macro15
			128-135	Macro16

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			136-143	Macro17
			144-151	Macro18
			152-159	Macro19
			160-167	Macro20
			168-175	Macro21
			176-183	Macro22
			184-191	Macro23
			192-199	Macro24
			200-207	Macro25
			208-215	Macro26
			216-223	Macro27
			224-231	Macro28
			232-239	Macro29
			240-247	Macro30
			248-255	Random CMY
23	21	34		<i>Lamp on/off, reset, internal programs</i>
			0-39	No function
			40-59	Lamp on
			60-79	Lamp switch off
			80-84	All motor reset
			85-255	No function

9. SAFETY INSTRUCTIONS

CAUTION!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60 degrees.

2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

3. Using lamp, the change rate of power voltage should be within $\pm 10\%$, if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark.

4. Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

▲ Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaries is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

CAUTION!



Never touch the device during operation!

The housing may heat up!

**CAUTION!**

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

**Please be aware that damages caused by manual modifications to be the device are not subject to warranty.
Keep away from children and non-professionals.**

10. GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, in discotheques, theatres, etc., the device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual.

Lighting effects are not designed for permanent operation.

Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.

Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

11. INSTALLATION INSTRUCTIONS**CAUTION!**

Only install the lamp with the device unplugged from the mains.

**CAUTION!**

The lamp has to be replaced when it is damaged or deformed.

Before replacing the lamp let the lamp cool down, because during operation, the lamp can reach very high temperature. During the installation of halogen lamps do not touch the glass bulbs bare handed. Always use a cloth to handle the lamps during insertion and removal.

Do not install lamps with a higher wattage. They generate higher temperatures than which the device was designed for.

12. CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses. Fixations and installations spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) To make sure the smooth gobo rotation, we suggest adding proper lube to the wheel each three month, avoiding the excessive lube splashes during the gobo rotating,
- 4) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device except for the lamp. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

All information is subject to change without prior notice.